



DT04 Rec'd PCT/PTO 1.5 JUN 2004

PATENT  
P56923

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

SEON-SOO RUE

Serial No.: 10/733,683

Examiner: *To be assigned*

Filed: 12 December 2003

Art Unit: 2681

For: METHOD FOR SUPPORTING MOBILITY OF WLAN VOICE TERMINAL

**INFORMATION DISCLOSURE STATEMENT**

**Mail Stop: Application Number**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**U.S. PATENT REFERENCE:**

- U.S. Patent No. 6,473,413 to Chiou *et al.*, entitled METHOD FOR INTER-IP-DOMAIN ROAMING ACROSS WIRELESS NETWORKS, issued on 29 October 2002.

**FOREIGN PATENT REFERENCE:**

- Great Britain Patent Publication No. 2 387 296 to Rue, entitled HANDOVER OF A MOBILE UNIT IN A WIRELESS LOCAL AREA NETWORK, published on 8 October 2003; and
- International Publication No. WO 01/39538 A1 to Juha *et al.*, entitled TRANSFER

OF SECURITY ASSOCIATION DURING A MOBILE TERMINAL HANDOVER,  
published on 31 May 2001.

**OTHER DOCUMENT:**

- *Search Report under Section 17* from the British Patent Office issued in Applicant's corresponding British Patent Application No. GB0329004.6 (dated 5 May 2004).

**DISCUSSION**

As written in the British Search and Examination Report issued by the British Patent Office on the 5th May 2004 in applicant's corresponding British Patent application corresponding to applicant's above-captioned U.S. Patent Application, **Chiou et al.** U.S.'413 relates to a method which involves in integrating the communication mechanisms of IAPP and mobile IP which is provided for allowing a mobile station to roam among various APs in different IP subnets. When a mobile station roams to a new IP subnet, it will issue a reassociation request to an Access Point A in the new IP subnet. In response to the reassociation request, the Access Point A will need the IP address of the previous Access Point B in the previous IP subnet to send the handoff request to the Access Point B. So, the Access Point A can find the IP address of the Access Point B via the communication mechanism of mobile IP of IP layer and then send the handoff request frame to the Access Point B. In turn, upon receiving the handoff request frame, the Access Point B deletes the record of the mobile station in the association table and then sends the handoff response frame back to the Access Point A via the communication mechanism of mobile IR. The unicast handoff response frame will be forwarded to the Access Point A. Consequently, the Access Point A can complete the handoff procedure.

**Juha *et al.***, WO'538 relates to an existing security association which is re-established when a communication handover event occurs in a radio communications system such as IEEE 802.11 or a HIPERLAN wherein the existing security association between a mobile terminal and a wireless communication network is maintained when the communication handover occurs within the network. Authentication during a handover event is achieved by a challenge/response procedure. In accordance with the challenge/response procedure each member of a communication pair that is made up of a new access point and the mobile terminal that is experiencing a handover to the new access point sends a challenge to the other member of the communication pair. Each member of the communication pair then calculates a response to its received challenge, and these responses are sent back to the other member of the communication pair. Each member of the communication pair then compares its received response to a correct response. When these comparisons are correct, payload communication begins between the second access point and the mobile terminal.


**Rue, GB'296** relates to disclosed in the present invention which is a method for supporting mobility of a mobile node between subnetworks in a wireless local area network that includes a plurality of subnetworks networked through Internet and assigns a different Internet protocol (IP) address to the plural subnetworks, respectively, the method comprising the steps of: if the mobile node moves arbitrarily to a second subnetwork from a first subnetwork during communication, broadcasting a first message, in which a foreign mobile access server (MAS) of the second subnetwork includes the mobile node's medium access control (MAC) address; acquiring, at a home mobile access server of the first subnetwork, an address of the foreign mobile access server from the first message, and then transmitting a second message including an address of the home mobile access server and an Internet protocol address of the mobile node to the foreign mobile access server in reply to the first message; and routing, at the foreign mobile access server and the home mobile access server, the mobile node's data by using the other party's address.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 CFR § 1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three(3) months prior to the filing of the statement.

No fee is incurred by this Statement.

Respectfully submitted,

  
Robert E. Bushnell  
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300  
Washington, D.C. 20005  
Area Code: (202) 408-9040

Folio: P56923  
Date: 15 June 2004  
I.D.: REB/ny

**INFORMATION DISCLOSURE STATEMENT**
**PTO-1449 (PAGE 1 OF 1)**
**JUN 15 2004**
**PATENT & TRADEMARK OFFICE**
**SERIAL NUMBER** 10/733,683

**DOCKET NO.** P56923

**APPLICANT**
**SEON-SOO RUE**
**FILING DATE** 12 December 2003

**GROUP** 2681

**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
/O.A./	6,473,413	10/02	Chiou <i>et al.</i>			

**FOREIGN PATENT DOCUMENTS**
**TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
/O.A./	GB 2 387 296	10/03	GREAT BRITAIN			Abstract	
/O.A./	WO 01/39538	05/01	WIPO			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

/O.A./ Search Report under Section 17 from the British Patent Office issued in Applicant's corresponding British Patent Application No. GB0329004.6 (dated 5 May 2004).

**EXAMINER:** /Olumide Aijibade Akonai/

**DATE CONSIDERED:** 08/29/2008

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.